# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Robin J. GREEN Application No.: 10/645,694 Filed: August 20, 2003

METHOD AND APPARATUS FOR SELF For: SHADOWING AND SELF

INTERREFLECTION LIGHT CAPTURE

Group Art Unit: 2855

Examiner: Unassigned

Atty. Docket No.: SONYP025

Date: February 4, 2005

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on February 4, 2005.

Signed: Sylvia Castillo

## INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449, (the copies of references which are not U.S. Patents have been attached), may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§ 1.56 and 1.97. The Examiner is requested to consider these references and to acknowledge such consideration by initialing the attached PTO Form 1449 at the appropriate locations.

Applicants state that each item of information listed in the attached PTO Form 1449 was cited in a communication in a counterpart international application not more than three months prior to the filing of this statement. For the Examiner's use and information, a copy of the International Search Report in the corresponding international application is attached. In the event any fees are due to effect consideration of the references, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-0805 (Order No. SONYP025).

Respectfully submitted,

MARTINE PENILLA & GENCARELLA, LLP

Michael L. Gencarella, Esq. Reg. No. 44,703

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FEB 0 9 2005 PTO/SB/08A(08-03) Complete if Known Substitute for form 1449/PTO Application Number 10/645,694 August 20, 2003 Filing Date INFORMATION DISCLOSURE First Named Inventor Robin J. Green STATEMENT BY APPLICANT 2855 Art Unit (Use as many sheets as necessary) Unassigned Examiner Name SONYP025 **Attorney Docket Number** Sheet of

### **U.S. Patent Documents**

Examiner Initials	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant
		Number-Kind Code <sup>2 (if known)</sup>			Passages or Relevant Figures Appear
	Α				
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**Foreign Patent Documents** 

Examiner Initial	Cite No. <sup>1</sup>	Foreign Patent Document No.  Country Code <sup>3</sup> -Number- <sup>4</sup> Kind Code <sup>5(if known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
	G	EP 1 189 173 A2	3/20/02	Nintendo Co., Limited		
	Н	WO 98/45815	10/15/98	Intergraph Corporation		
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#### **Non Patent Literature Documents**

Examiner Initial	Cite No.	Include name of author (in CAPTIAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	GREEN, "Spherical Harmonic Lighting: The Gritty Detail", XP-002308100, Refrom the Internet: URL:http://www.research.scea.com/research/research.html, Ja 2003	
	L	KAUTZ et al., "Fast, Arbitrary BRDF Shading for Low-Frequency Lighting Using Spherical Harmonics", Proceedings of the 13th Eurographics Workshop on Rendering, PISA, Italy 2002. Eurographics Workshop Proceedings ACM New York, NY, USA, 2002, pages 291-335, XP002308101
	М	HEIDRICH et al., "Realistic, Hardware-accelerated Shading and Lighting", Computer Graphics. SIGGRAPH 99 Conference Proceedings. Los Angeles, California, August 8-13, 1999, Computer Graphics Proceedings. SIGGRAPH, New York, NY: ACM, US, August 8, 1999, pages 171-178, XP001032897

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Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

Complete if Known

10/645,694

August 20, 2003

Robin J. Green

Substitute for form 1449/PTO

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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**U.S. Patent Documents** 

**Application Number** 

First Named Inventor

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Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited	where Relevant Passages or Relevant	
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**Foreign Patent Documents** 

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Non Patent Literature Documents

		Non Patent Literature Books title of the article (when appropriate), title
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	K	HADWIGER et al, "Hardware-Accelerated High-Quanty 1 literals on the International Workshop on Vision, Modeling and Visualization. Proceedings, XX, XX, International Workshop on Vision, Modeling and Visualization. Proceedings, XX, XX, International Workshop on Vision, Modeling and Visualization. Proceedings, XX, XX, International Workshop on Vision, Modeling and Visualization. Proceedings, XX, XX, International Workshop on Vision, Modeling and Visualization. Proceedings, XX, XX, International Workshop on Vision, Modeling and Visualization. Proceedings, XX, XX, International Workshop on Vision, Modeling and Visualization. Proceedings, XX, XX, International Workshop on Vision, Modeling and Visualization. Proceedings, XX, XX, International Workshop on Vision, Modeling and Visualization. Proceedings, XX, XX, International Workshop on Vision, Modeling and Visualization. Proceedings, XX, XX, International Workshop on Vision, Modeling and Visualization. Proceedings, XX, XX, International Workshop on Vision, Modeling and Visualization. Proceedings Vision November 21, 2001, page 105-112, 520, XP009027713  McCOOL et al., "Texture Shaders", Proceedings 1999 Eurographics / SIGGRAPH International Workshop on Vision November 21, 2001, page 105-112, 520, XP009027713
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